



Normal



Caution



Serious



Critical

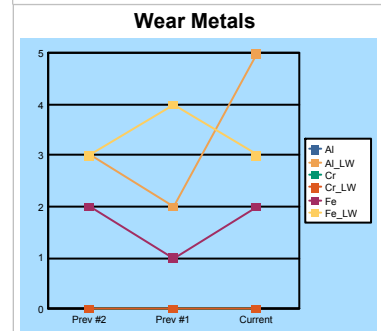
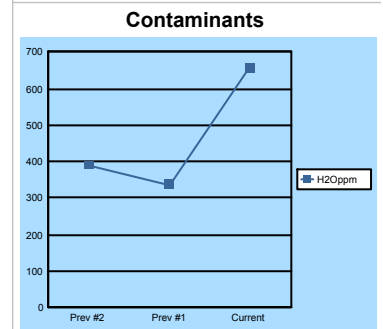
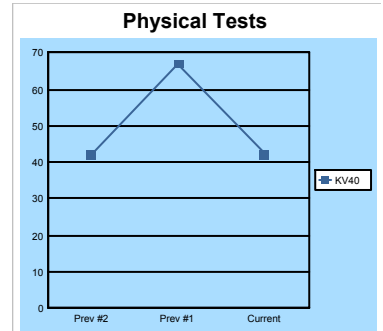


Example Customer
 Address Unit 22-24, Business Park
 Big City,
 AB12 3AS
 Sample Date 11/04/2019
 Received Date 11/04/2019

Serial Number Example Hydraulic
 Unit No. / Model Hydraulic Plant
 Type Sampled system: Hydraulic
 JS Sys Colwyn Bay Hydraulic (Plant)
 Job No Bottle Label K002329
 Brand Fuchs Renolin B 46 (ISO VG)

Diagnosis: Very slightly elevated number of very small particles at 4 and 6 microns. However, since larger particles and wear are satisfactory no action is required other than to continue to monitor at usual sampling period.

Sample Details	Test Basis	Units	Current Result	Previous #1	Previous #2
Lab No	-	-	<u>OAL1906808</u>	<u>OAL1906633</u>	<u>OAL1906153</u>
Sample Date	-	-	11/04/2019	04/03/2019	19/03/2019
Meter Hrs	-	-	18287	18281	18192
Fluid Hrs	-	-	18287	18281	18192
Fluid Added	-	-	0.00	0.00	0.00
Fluid Changed	-	-	No	No	No
Filter Changed	-	-	No	No	No
Brand	-	-	Fuchs Renolin	Fuchs Renolin	Fuchs Renolin
Physical Tests					
<u>Viscosity @ 40°C</u>	ASTMD7279	mm2/s	42	42	67
Condition					
Oxidation	JOAP	A/cm	18	8	18
Particles					
<u>ISO Code</u>	ASTMD7647	code	21/19/15	21/17/12	21/19/14
<u>Overall NAS</u>	SAE4059	Code	11	11	12
<u>PC @ 4µ</u>	ASTMD7647	count/ml	11513	14536	18915
<u>PC @ 5µ</u>	ASTMD7647	count/ml	5425	3326	7005
<u>PC @ 6µ</u>	ASTMD7647	count/ml	3073	1185	3960
<u>PC @ 7µ</u>	ASTMD7647	count/ml	1879	592	2564
<u>PC @ 8µ</u>	ASTMD7647	count/ml	1184	335	1667
<u>PC @ 10µ</u>	ASTMD7647	count/ml	581	136	755
<u>PC @ 12µ</u>	ASTMD7647	count/ml	291	58	276
<u>PC @ 14µ</u>	ASTMD7647	count/ml	175	31	141
<u>PC @ 15µ</u>	ASTMD7647	count/ml	135	22	99
<u>PC @ 20µ</u>	ASTMD7647	count/ml	56	7	33
<u>PC @ 21µ</u>	ASTMD7647	count/ml	48	6	29
<u>PC @ 25µ</u>	ASTMD7647	count/ml	24	2	19
<u>PC @ 30µ</u>	ASTMD7647	count/ml	9	0	12
<u>PC @ 38µ</u>	ASTMD7647	count/ml	3	0	6
<u>PC @ 50µ</u>	ASTMD7647	count/ml	1	0	2



Lab Address: Unit 5 Creamery Trade Park, Station Road, Mochdre, Colwyn Bay, LL28 5EF

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Particles					
<u>PC @ 70µ</u>	ASTMD7647	count/ml	0	0	1
Contaminants					
Appearance Fluid	OAL Method	Visual	Bright	Bright	Bright
Appearance Solids	OAL Method	Visual	Clear	Clear	Debris
<u>Lithium (Li)</u>	ASTMD5185	mg/kg	0	0	0
<u>Potassium (K)</u>	ASTMD5185	mg/kg	4	3	4
<u>Silicon (Si)</u>	ASTMD5185	mg/kg	12	9	8
<u>Sodium (Na)</u>	ASTMD5185	mg/kg	3	4	4
<u>Titanium (Ti)</u>	ASTMD5185	mg/kg	0	0	0
<u>Vanadium (V)</u>	ASTMD5185	mg/kg	0	0	0
<u>Water (dissolved)</u>	ASTMD6304	mg/kg	656	389	336
<u>Water (free)</u>	Crackle & CaH2	%	<0.1	<0.1	<0.1
Wear Metals					
<u>Aluminium</u>	ASTMD5185	mg/kg	0	0	0
<u>Aluminium (Al)</u>	LubeWear®	mg/kg	5	3	2
<u>Chromium (Cr)</u>	ASTMD5185	mg/kg	0	0	0
<u>Chromium (Cr)</u>	LubeWear®	mg/kg	0	0	0
<u>Copper (Cu)</u>	ASTMD5185	mg/kg	1	1	0
<u>Copper (Cu)</u>	LubeWear®	mg/kg	1	3	1
<u>Iron (Fe)</u>	ASTMD5185	mg/kg	2	2	1
<u>Iron (Fe)</u>	LubeWear®	mg/kg	3	3	4
<u>Lead (Pb)</u>	ASTMD5185	mg/kg	0	0	0
<u>Lead (Pb)</u>	LubeWear®	mg/kg	0	0	0
<u>Manganese (Mn)</u>	ASTMD5185	mg/kg	0	0	0
<u>Manganese (Mn)</u>	LubeWear®	mg/kg	0	0	0
<u>Nickel (Ni)</u>	ASTMD5185	mg/kg	0	0	0
<u>Nickel (Ni)</u>	LubeWear®	mg/kg	0	0	0
<u>Silver (Ag)</u>	ASTMD5185	mg/kg	0	0	0
<u>Silver (Ag)</u>	LubeWear®	mg/kg	0	0	0
<u>Tin (Sn)</u>	ASTMD5185	mg/kg	0	0	0

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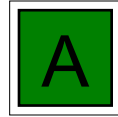
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Wear Metals					
<u>Tin (Sn)</u>	LubeWear®	mg/kg	0	0	0
Additives					
<u>Boron (B)</u>	ASTMD5185	mg/kg	41	40	30
<u>Calcium (Ca)</u>	ASTMD5185	mg/kg	2523	2039	1966
<u>Magnesium (Mg)</u>	ASTMD5185	mg/kg	15	12	11
<u>Molybdenum (Mo)</u>	ASTMD5185	mg/kg	2	2	2
<u>Phosphorus (P)</u>	ASTMD5185	mg/kg	703	568	484
<u>Zinc (Zn)</u>	ASTMD5185	mg/kg	748	642	697



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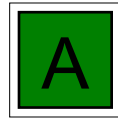
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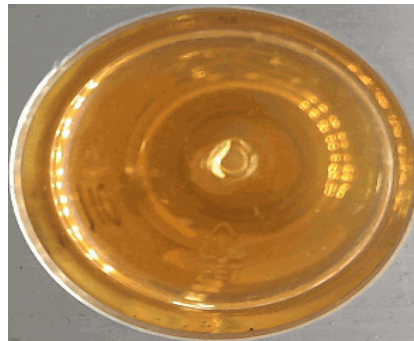
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Sample as received side view



Sample as received underneath view